

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in this present application.

1. (currently amended) A structural unit comprising:
a frame (14) having a connecting face (26) that surrounds an opening;
(28) and
a cover (16) that is attached to the connecting face (26) to cover the
opening (28), the frame (14) and the cover (16) being formed of materials with different
coefficients of thermal expansion; ~~characterised in that the connecting face (26) has~~
a channel on the connecting face (37, 82) that opens towards the cover; ~~and (16),~~
at least one duct (38) ~~communicates in communication~~ with the channel (37, 82)
such that a filling compound (40) injected into the duct (38) is received in the channel
(37, 82), the filling compound (40) attaching the cover (16, 30) to the frame (14, 80) and
providing a seal therebetween.
2. (currently amended) The structural unit according to claim 1,
~~characterised in that~~ wherein the filling compound (40) is a two-component adhesive.
3. (currently amended) The structural unit according to claim 1,
~~characterised in that~~ wherein the filling compound (40) is a reactively cross-linking
adhesive.
4. (currently amended) The structural unit according to claim one of claims
~~1 to 3, characterised in that~~ wherein the filling compound is a polyurethane based
material.

5. (currently amended) The structural unit according to claim 1, ~~characterised in that~~ wherein the filling compound (40) is a polyamide based adhesive.
6. (currently amended) The structural unit according to ~~one of claim 1~~ claims 1 to 5, ~~characterised in that~~ wherein the filling compound is a hot-melt adhesive.
7. (currently amended) The structural unit according to ~~one of the preceding~~ claims claim 1, ~~characterised in that~~ wherein the frame (14, 80) is made of a plastic material and the cover (16, 30) is made of metal.
8. (currently amended) The structural unit according to claim 1, wherein one ~~of the preceding claims, characterised in that~~ the structural unit (10) is a housing (20).
9. (currently amended) The structural unit according to claim 8, ~~characterised in that~~ wherein the housing (20) has at least one electronic component thermally coupled to the cover (16, 30).
10. (currently amended) The structural unit according to claim 9, wherein one ~~of the preceding claims, characterised in a~~ contact (50) passes through the frame (14) and at least one cavity (60) is provided in the frame (14) that communicates with the channel (37) and the contact (50) so that the filling compound (40) is received in the channel (37) and surrounds the contact (50).
11. (currently amended) A method for the production of a structural unit ~~having~~ comprising the steps of:
- providing a frame (14, 80) having a connecting face (26) that surrounds an opening (28), the connecting face (26) having a channel (37, 82),

providing a cover (16, 30) that attaches to the connecting face (26) so that it covers the opening (28), the frame (14, 80) and the cover (16, 30) being made from materials with different coefficients of thermal expansion,

positioning the cover (16, 30) adjacent to the frame (14, 80) such that the cover (16, 30) lies on the connecting face (26), and

injecting a filling compound (40) through at least one injection duct (38) into the channel (37, 82) to connect the cover (16, 30) to the frame (14, 80) and seal a gap therebetween.

12. (currently amended) The method according to claim 11, ~~characterised in that~~ wherein the filling compound (40) is a two-component adhesive.

13. (currently amended) The method according to claim 11, ~~characterised in that~~ wherein the filling compound (40) is a reactively cross-linking adhesive.

14. (currently amended) The method according to claim 11, ~~characterised in that~~ wherein the filling compound (40) is a polyamide based adhesive.

15. (currently amended) The method according to claim 11, ~~characterised in that~~ wherein the filling compound (40) is a polyurethane based material.

16. (currently amended) The method according to claim 11 ~~one of claims 11 to 15, characterised in that~~ wherein the filling compound (40) is a hot-melt adhesive.

17. (currently amended) The method according to ~~one of claims 11 to 16~~
claim 11, wherein, characterised in that
the frame (14) is provided with a cavity (60), and
at least one contact element (50) is introduced into the frame (14) such
that it penetrates the frame (14) and is received in the cavity (60), wherein the contact
element (50) is encapsulated by injection ~~moulding~~ molding when the filling compound
(40) is injected into the cavity (60) and a seal is produced between the contact element
(50) and the frame (14).